

**ANNUAL SHELLFISH MANAGEMENT REVIEW**  
**for the period**  
**January 1st to December 31st, 2007**

**Municipality:** Cumberland

**Date:** 01/29/08

The Shellfish Conservation Committee submits the following information in partial fulfillment of its responsibilities under Chapter 7 of the Department of Marine Resources Regulations and the Shellfish Conservation Ordinance of this municipality.

**Statement of Management Goals and Implementation Actions**

The goals of shellfish management for this municipality have been: (check only one of each pair)

- 1) ☒ provide a harvesting opportunity for the maximum number of participants  
   ☐ maximize individual harvest by minimizing the number of participants
- 2) ☐ increase the clam resource through various enhancement activities  
   ☒ maintain a sustainable yield through the vigorous use of production controls
- 3) ☒ provide for recreational harvesting in preference to commercial harvesting  
   ☐ provide for commercial harvesting in preference to recreational harvesting
- 4) ☐ maximize the economic value of the resource by adjusting production  
   ☐ maintain a constant production to provide a steady but variable income

The following management controls were utilized: (check all that apply)

- ☒ limit the number of commercial harvesters
- ☐ limit the number of recreational harvesters
- ☒ restrict times of harvest
- ☒ restrict the areas of harvest
- ☒ limit the amount of commercial harvest
- ☒ limit the amount of recreational harvest
- ☐ other:

The following management activities were undertaken: (check all that apply)

- ☐ predator protection through fencing, netting, trapping and etc.
- ☐ reseeding from high density areas or seeding with hatchery stock
- ☒ flat surveys to determine size distribution and density
- ☒ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☐ establishing conservation areas for flat rotation
- ☒ other: Coastal Cleanup

**Shellfish Committee/Staff****Municipality:** Cumberland

<b>Title</b>	<b>Name</b>	<b>Mailing Address</b>	<b>Telephone</b>
Chair	<u>Tom Peterson</u>	<u>115 Tuttle Road, Cumberland, ME 04021</u>	<u>829-5406</u>
Vice Chair	<u>Charles Adams</u>	<u>17 Deans Way, Cumberland, ME 04021</u>	<u>781-2167</u>
Secretary	<u>Paul Weiss</u>	<u>314 Blanchard Road, Cumberland, ME 04021</u>	<u>829-4626</u>
Member(s)	<u>Richard Peterson</u>	<u>146 Middle Road, Cumberland, ME 04021</u>	<u>829-5448</u>
	<u>Milton Calder</u>	<u>10 Willow Lane, Cumberland, ME 04021</u>	<u>829-2218</u>
	<u>Skip Howison</u>	<u>61 Merewind Drive, Cumberland, ME 04021</u>	<u>829-3112</u>
Selectmen/ Council Rep.	<u>George Turner</u>	<u>4 Carriage Road, Cumberland, ME 04021</u>	<u>781-3063</u>
Wardens	<u>Tom Burgess</u>	<u>290 Tuttle Road, Cumberland, ME 04021</u>	<u>829-2218</u>
	<u>Guy Watson</u>	<u>1014 Sligo Road, Cumberland, ME 04021</u>	<u>831-7124</u>
WQSpec(s)	<u>Tom Burgess</u>	<u>290 Tuttle Road, Cumberland, ME 04021</u>	<u>829-2218</u>
	<u>Guy Watson</u>	<u>1014 Sligo Road, Cumberland, ME 04021</u>	<u>831-7124</u>

**Committee Meetings**

The Shellfish Committee holds regularly scheduled meetings: ☒ yes   ☐ no

The following number of meetings was held during the past year: 10

Minutes of meetings are recorded, filed and are available upon request: ☒ yes   ☐ no

**Conservation Credit**

The opportunity to obtain conservation credit is provided: ☒ yes   ☐ no

The total number of conservation hours needed to obtain credit is 10.

Conservation credit is required to obtain a: ☒ renewal license

☐ new license

Conservation hours are given for:

<input type="checkbox"/> meeting attendance	<input checked="" type="checkbox"/> coastal cleanup	<input checked="" type="checkbox"/> brushing
<input type="checkbox"/> committee service	<input checked="" type="checkbox"/> surveys	<input checked="" type="checkbox"/> predator control
<input type="checkbox"/> educational activities	<input checked="" type="checkbox"/> reseeding	<input type="checkbox"/>

If conservation credit is not provided, the total number of volunteer man-hours documented for management activities during the past year is: n/a.

**Summary of Warden Activities**Municipality: Cumberland

Hours Patrolled:	<u>275</u>
Diggers Checked:	<u>187</u>
Warnings Given:	<u>7</u>
Summon Issued:	<u>4</u>
Court Appearances:	<u>4</u>
Convictions:	<u>3</u>

Enforcement of the shellfish management ordinance has been: ☒ satisfactory  
☐ unsatisfactory

Enforcement could be improved by: ☒ more hours patrolled ☐ better training  
☐ more wardens ☐ greater state support  
☐ better equipment ☒ other: *Increased funding.*

The warden is provided with a written job description: ☒ yes ☐ no

**Production Data Collected by the Warden**

Month	Avg. Daily Catch/Digger		Avg. # of Diggers/Day		Total # of Days Dug		Total Lbs [ ] or Bu <input checked="" type="checkbox"/>
January	<u>0.25</u>	X	<u>2</u>	X	<u>31</u>	=	<u>15.5</u>
February	<u>0.25</u>		<u>2</u>		<u>28</u>		<u>14</u>
March	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
April	<u>0.25</u>		<u>2</u>		<u>30</u>		<u>15</u>
May	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
June	<u>0.25</u>		<u>2</u>		<u>30</u>		<u>15</u>
July	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
August	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
September	<u>0.25</u>		<u>2</u>		<u>30</u>		<u>15</u>
October	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
November	<u>0.25</u>		<u>2</u>		<u>30</u>		<u>15</u>
December	<u>0.25</u>		<u>2</u>		<u>31</u>		<u>15.5</u>
					TOTAL		<u>182.5</u>

**Warden(s)****Training Date****Nomination Date**

<u>Tom Burgess</u>	<u>04/25/06</u>	<u>01/29/08</u>
<u>Guy Watson</u>	<u>04/26/05</u>	<u>01/29/08</u>
<u>Milt Calder</u>	<u>04/25/06</u>	<u>01/29/08</u>
<u>Charles Burnie</u>	<u>04/24/07</u>	<u>01/29/08</u>

**Shellfish Conservation Budget**
**Municipality:** Cumberland

<b>License Receipts</b>	<b>Allocation</b>	<b>Sold</b>	<b>Received</b>
<i>Commercial</i>			
Resident	9	9	\$450
Nonresident	1	1	\$100
Senior Resident	-	-	\$0
Senior Nonresident	-	-	\$0
Junior/Student Resident	-	-	\$0
Junior/Student Nonresident	-	-	\$0
Other: <i>n/a</i>	-	-	\$0
<i>Recreational</i>			
Resident	280	313	\$5,875
Nonresident	28	96	\$1,250
Daily/Weekly/Monthly Res.	15/m	31	\$525
Daily/Weekly/Monthly Nonres.	30/m	179	\$1,255
Senior Resident	-	-	\$0
Senior Nonresident	-	-	\$0
Junior/Student Resident	-	-	\$0
Junior/Student Nonresident	-	-	\$0
Other: <i>n/a</i>	-	-	\$0
SUBTOTAL (1)			\$9,455
<b>Receipts Independent of License Fees</b>			
Shellfish Conservation Account Carried Forward			\$0
Funds Raised for Warden			\$0
Funds Raised for Management Activities			\$0
Fines			\$1,200
Other			\$0
SUBTOTAL (2)			\$1,200
TOTAL Receipts (1+2)			\$10,655
<b>Disbursements</b>			
Warden Salary			\$1,312
Mileage			\$0
Clothing			\$0
Equipment			\$0
Training			\$100
SUBTOTAL (3)			\$1,412
Advertising			\$0
Supplies			\$0
Surveys			\$0
Seeding			\$0
Miscellaneous			\$0
SUBTOTAL (4)			\$0
TOTAL Disbursements (3+4)			\$1,412

## Proposed Management Controls

Municipality: Cumberland

The following management controls will be utilized for the coming year: (check all that apply)

- ☐ limit the number of commercial harvesters
- ☐ limit the number of recreational harvesters
- ☒ restrict times of harvest
- ☒ restrict the areas of harvest
- ☐ limit the amount of commercial harvest
- ☒ limit the amount of recreational harvest
- ☐ other:

## Proposed Shellfish Licenses

<u>License</u>	<u>Number</u>	<u>Cost @</u>
<i>Commercial</i>		
Resident	<hr/>	<hr/>
Nonresident	<hr/>	<hr/>
Senior Resident	<hr/>	<hr/>
Senior Nonresident	<hr/>	<hr/>
Junior/Student Resident	<hr/>	<hr/>
Junior/Student Nonresident	<hr/>	<hr/>
Other	<hr/>	<hr/>
<i>Recreational</i>		
Resident	<hr/> <i>NL</i>	<hr/> \$25
Nonresident	<hr/> 10%	<hr/> \$50
Daily/Weekly Monthly Res.	<hr/> 10/m	<hr/> \$20
Daily/Weekly Monthly Nonres.	<hr/> 2/m	<hr/> \$2/m
Senior Resident	<hr/>	<hr/>
Senior Nonresident	<hr/>	<hr/>
Junior/Student Resident	<hr/>	<hr/>
Junior/Student Nonresident	<hr/>	<hr/>
Other	<hr/>	<hr/>

License number determination is based upon: ☐ calculation using survey data  
☒ survey data as a guide  
☒ harvester input  
☒ need/demand

The above numbers are:

- ☐ tentative, the actual numbers to be determined later
- ☒ firm, have been or will be submitted to DMR

## Proposed Management Activities

Municipality: Cumberland

The following management activities will be undertaken during the coming year: (check all that apply)

- ☐ predator protection through fencing, netting, trapping and etc.
- ☐ reseeding from high density areas or with hatchery stock
- ☒ flat surveys to determine size distribution and density
- ☒ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☒ establishing conservation areas for flat rotation
- ☒ other: Shoreline cleanup.

In order to implement these management activities the committee will utilize: (check all that apply)

- ☒ harvesters vested with conservation credit
- ☒ harvester volunteers
- ☐ paid harvesters
- ☒ municipal employees
- ☐ paid consultants
- ☒ other:

To provide a forum for harvester input in management planning, the shellfish committee plans to meet:

- ☐ annually
- ☐ biannually
- ☐ quarterly
- ☐ bimonthly
- ☒ monthly

Meeting notification for other than regularly scheduled meetings is by:

- ☒ mailing
- ☐ phone call
- ☒ posting
- ☒ newspaper
- ☒ word of mouth

In order to keep the DMR informed and to solicit advice on management activities, the shellfish committee will:

- ☐ request the area biologist to participate in all meetings
- ☐ request the area biologist to participate in only specific meetings
- ☒ invite the area biologist to attend all meetings
- ☐ invite the area biologist to attend only specific meetings

## Summary of Clam Flat Survey Data

Municipality: Cumberland

The following is a list of surveys conducted during the past year. Survey data should be attached if not previously provided to DMR. [ ] No surveys were conducted.

Clam Flat	Survey Date	Acreage	Density (bu/a)	Standing Crop (bu.)	%>2" by vol.
<i>Falmouth to outfall</i>	9/5	3.3	85.4	285	91
<i>Wildwood to Payson</i>	9/9	4.3	21.7	93	90
<i>Paysons to Town Land.</i>	9/6	3.0	110.9	331	84
<i>Broad Cove</i>	9/6	2.1	374.3	796	95

The flats surveyed represent approximately 99% of the total productive flats.

**Summary of Transplant Activities****Municipality:** Cumberland

The following seeding / reseeding activities were conducted during the past year.

☒ No seeding / reseeding activities were conducted.

	Event 1	Event 2	Event 3	Event 4
Date				
Supervisor				
Crew #				
Amount				
Mean Size (in.)				
Size Range (in.)				
Source				
Source Flat				
Receiv. Flat				
Netted (y/n)				
Closed until				

	Event 5	Event 6	Event 7	Event 8
Date				
Supervisor				
Crew #				
Amount				
Mean Size				
Size Range				
Source				
Source Flat				
Receiv. Flat				
Netted (y/n)				
Closed until				

## Summary of Conservation Closures

**Municipality:** Cumberland

The following is a list of conservation closures implemented or in effect during the past year.  
(This table is for areas normally open.)      ☒ No conservation areas were closed.

Conservation Area	Acreage	Closing Date	Opening Date	Days Closed*	Reason

\*during 2007

## Summary of Conservation Openings

The following is a list of conservation openings implemented or in effect during the past year.  
(This table is for areas normally closed.)      ☒ No conservation areas were opened.

Conservation Area	Acreage	Opening Date	Closing Date	Days Open*	Reason

\*during 2007

**Additional Activities****Municipality:** Cumberland**Spatfall Enhancement**

The following is a list of activities to promote clam settlement such as brushing, flat roughing, tenting or netting.      ☒ No such activities were conducted.

Location	Date	Description

**Predator Protection**

The following is a list of activities to protect clams from predators such as trapping, netting and hand collecting.      ☒ No such activities were conducted.

Location	Date	Description

**Other Activities**

The following is a list of other activities that benefit, directly or indirectly, the management program such as educational projects, participation in regional councils and shoreline cleanup.  
[   ] No such activities were conducted.

Location	Date	Description
<i>Wildwood Beach</i>	<i>9/5</i>	<i>Shoreline cleanup.</i>
<i>Paysons to Landing</i>	<i>9/6</i>	<i>Shoreline cleanup.</i>
<i>Landing to Olsen Pier</i>	<i>9/7</i>	<i>Shoreline cleanup.</i>
<i>Broad Cove</i>	<i>9/6</i>	<i>Shoreline cleanup.</i>